

THE UNIVERSITY OF TEXAS AT AUSTIN
Cockrell School of Engineering



BASIC WOOD STRUCTURAL DESIGN

April 30 - May 1, 2012 | Houston, TX | (1.5 CEUs)

This course consists of a practical approach to both ASD and LRFD design of wood members and connections. It is intended especially for engineers who are new to wood design, but also for those who have experience in wood design and desire a greater insight into design issues with wood that may be far different from other structural materials. The National Design Specification, or the NDS, and selected supplements will be used. This course will inform you of the ease in performing calculations in either ASD or LRFD using this dual format specification.

Objectives:

- Introduce fundamental code design—both ASD and LRFD
- Enhance the understanding of wood as a structural material
- Compare and contrast wood with other structural materials
- Introduce the basic concepts of shear wall and diaphragm design
- Collate the actual behavior of wood systems with design assumptions
- Introduce basic concepts of engineering ethics

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